

# System Condition Update

## Spring Operations Review

**May 23, 2013**

**2:00 – 3:00 p.m.**

To participate in the call please dial: **(877) 336-1839**

When prompted, enter access code: 1687421

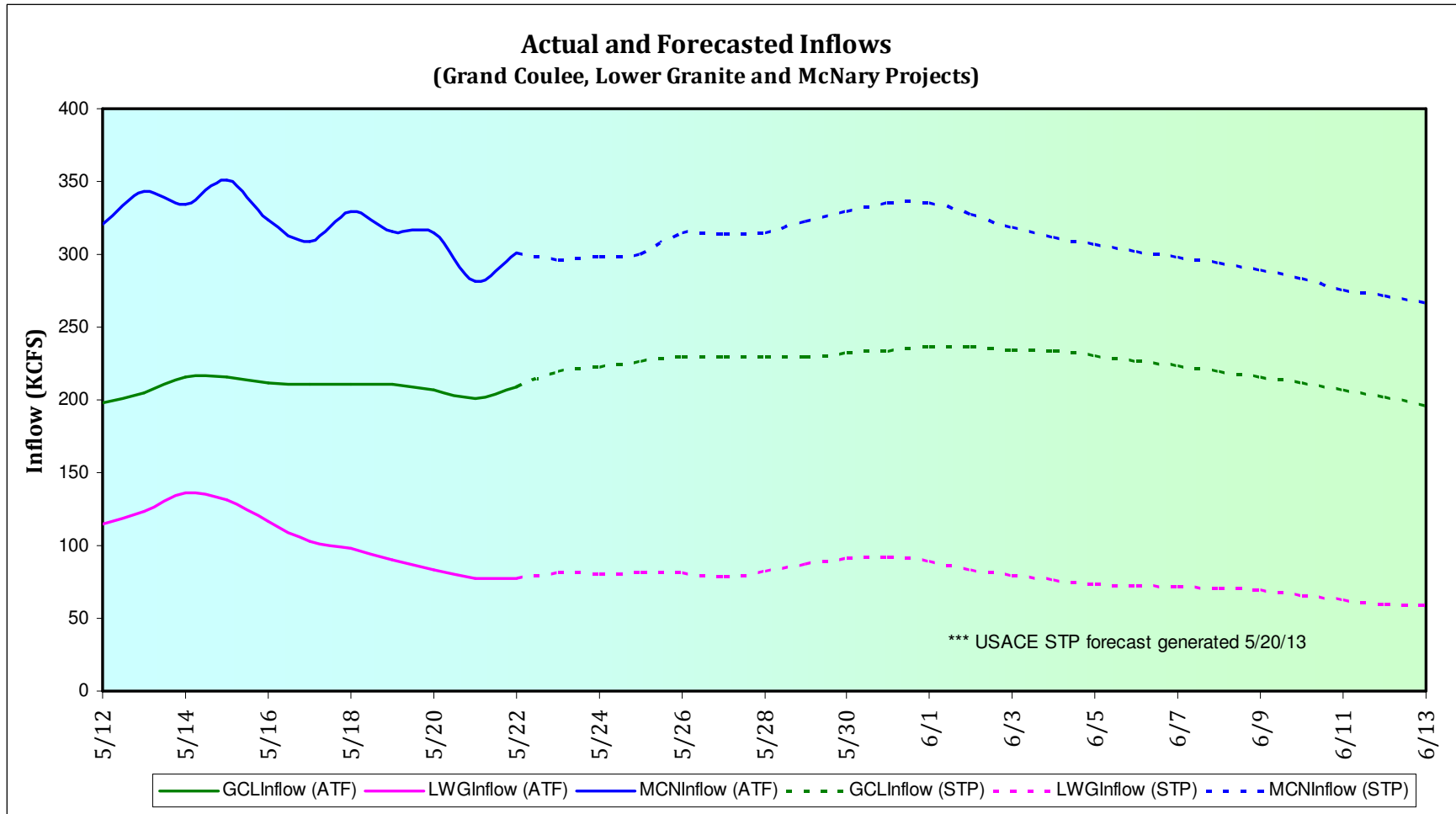
# Hydro Operations Update

- The Federal Columbia River Power System is being operated for system wide flood control and refill objectives.
- Currently operating GCL to not exceed 1277.2 feet prior to June 1.
- Reservoir operations has transitioned to refill.
- Operating the system for flood control operations of maximum instantaneous flow of 350 kcfs at TDA and maximum hourly flow of 360 kcfs at JDA.
- The NW River Forecast Center's May 22 Official Water Supply Forecast for January-July at The Dalles is 97.6 million acre-feet.

# Actions to manage oversupply

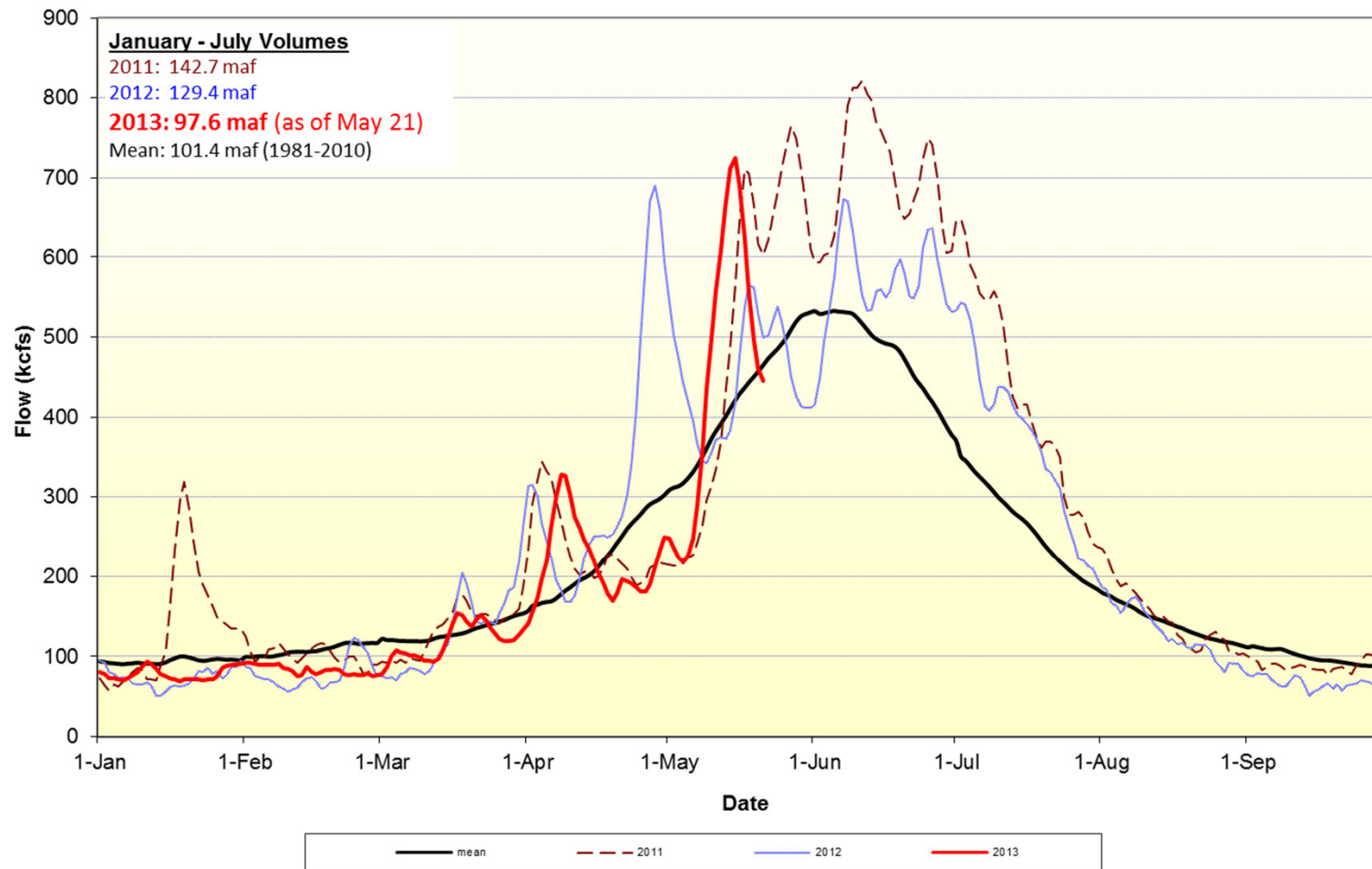
- To the extent possible BPA will coordinate spill exchange with the Mid-Columbia projects under the Mid-Columbia Spill Exchange agreement.
- BPA will attempt to maximize the amount of pump load with available pumping units during LLH's.
- Moved non-essential generator and transmission maintenance outages out of May and June.
- Have arranged to spill at the Willamette projects up to TDG limits.
- There has been spill due to lack of demand within water quality limits.
- Recallable energy is being used to reduce the amount of over-generation spill and OMP.
- INC/DEC will be reduced as necessary to manage TDG levels and reduce the chance of implementing OMP.
- BPA will exercise displacement options on power purchase agreements.
- CGS is out of service for refueling until middle of June.
- BPA has made arrangements with a few counterparties to waive loss returns.

# Actual and Forecasted Flows



# Weather and Streamflow

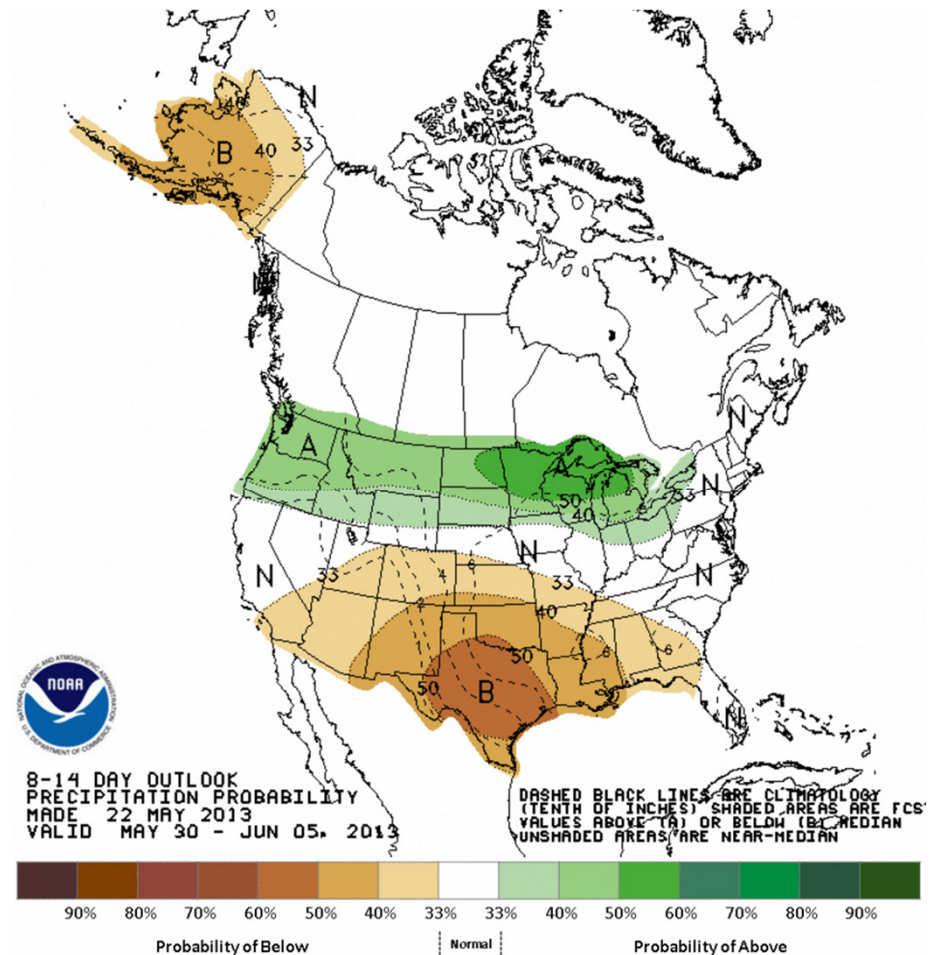
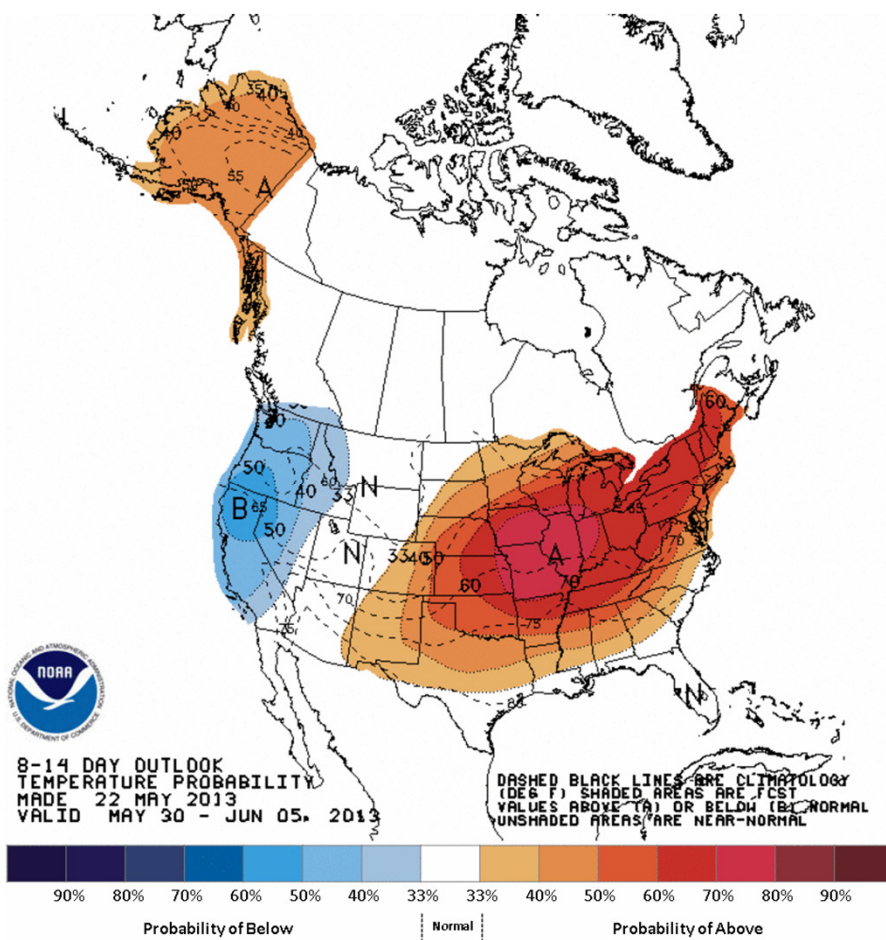
## Natural Flows at The Dalles



# Weather and Streamflow

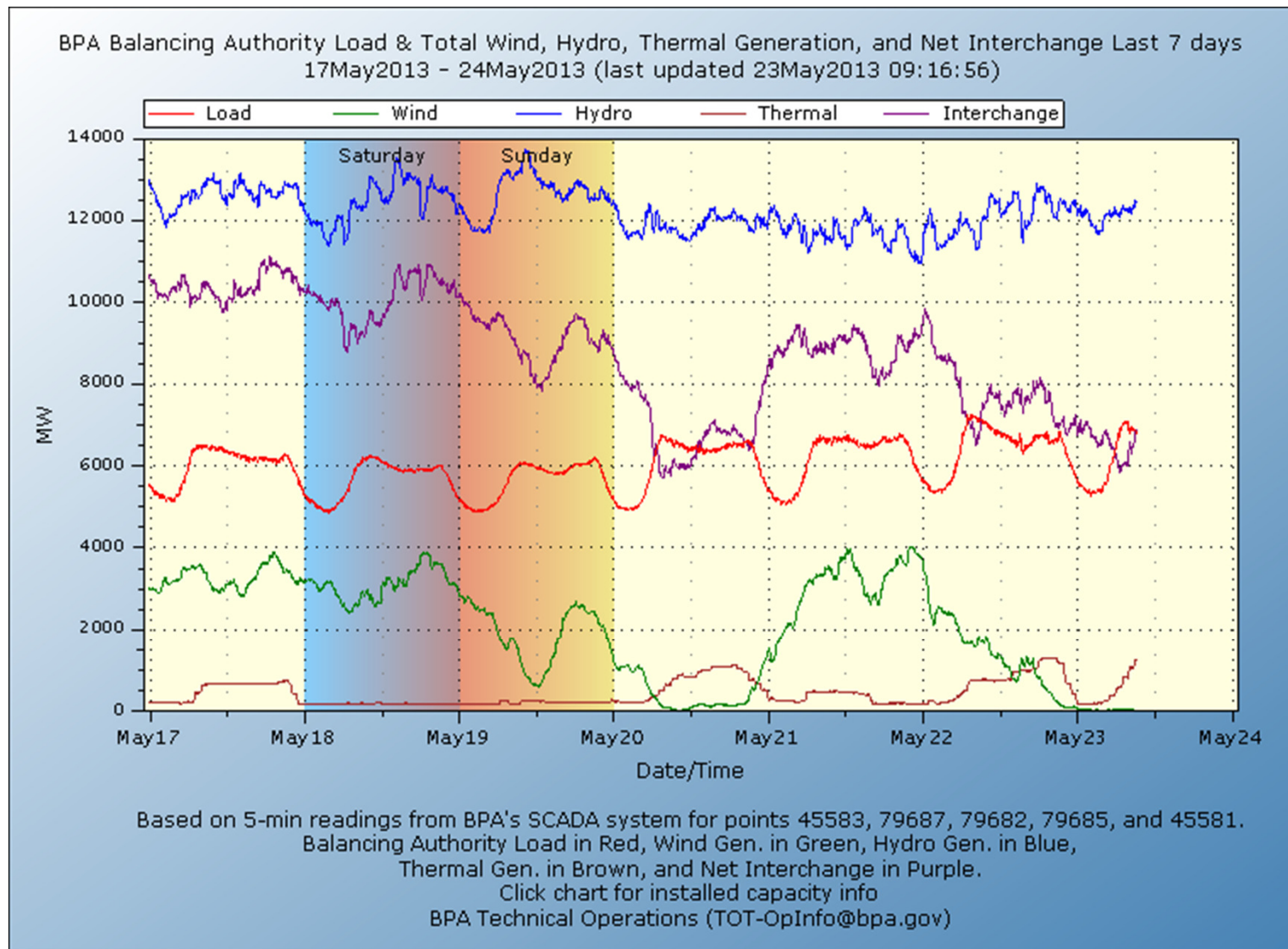
<b><u>Volume remaining at selected sites (kAF)</u></b>			
	<b>Runoff-processor date:</b>		<b>May 21</b>
	<b>RFC Volume Forecast:</b>		<b>May 21</b>
	<i>May 21</i>	<i>May 21</i>	
	<b>NWRFC</b>	<b>Observed</b>	<b>Percent</b>
<b>January-July</b>	<b>ESP volcast</b>	<b>Since 1-Jan</b>	<b>Remaining</b>
Grand Coulee	<b>63,287</b>	<b>28,501</b>	<b>55.0%</b>
Lower Granite	<b>19,381</b>	<b>12,755</b>	<b>34.2%</b>
The Dalles	<b>97,567</b>	<b>51,076</b>	<b>47.7%</b>
	<b>NWRFC</b>	<b>Observed</b>	<b>Percent</b>
<b>April-August</b>	<b>ESP volcast</b>	<b>Since 1-Apr</b>	<b>Remaining</b>
Grand Coulee	<b>60,650</b>	<b>20,236</b>	<b>66.6%</b>
Lower Granite	<b>15,498</b>	<b>7,693</b>	<b>50.4%</b>
The Dalles	<b>86,935</b>	<b>33,088</b>	<b>61.9%</b>

# Weather and Streamflow





# Balancing Authority Load and Total Wind, Hydro, and Thermal Generation





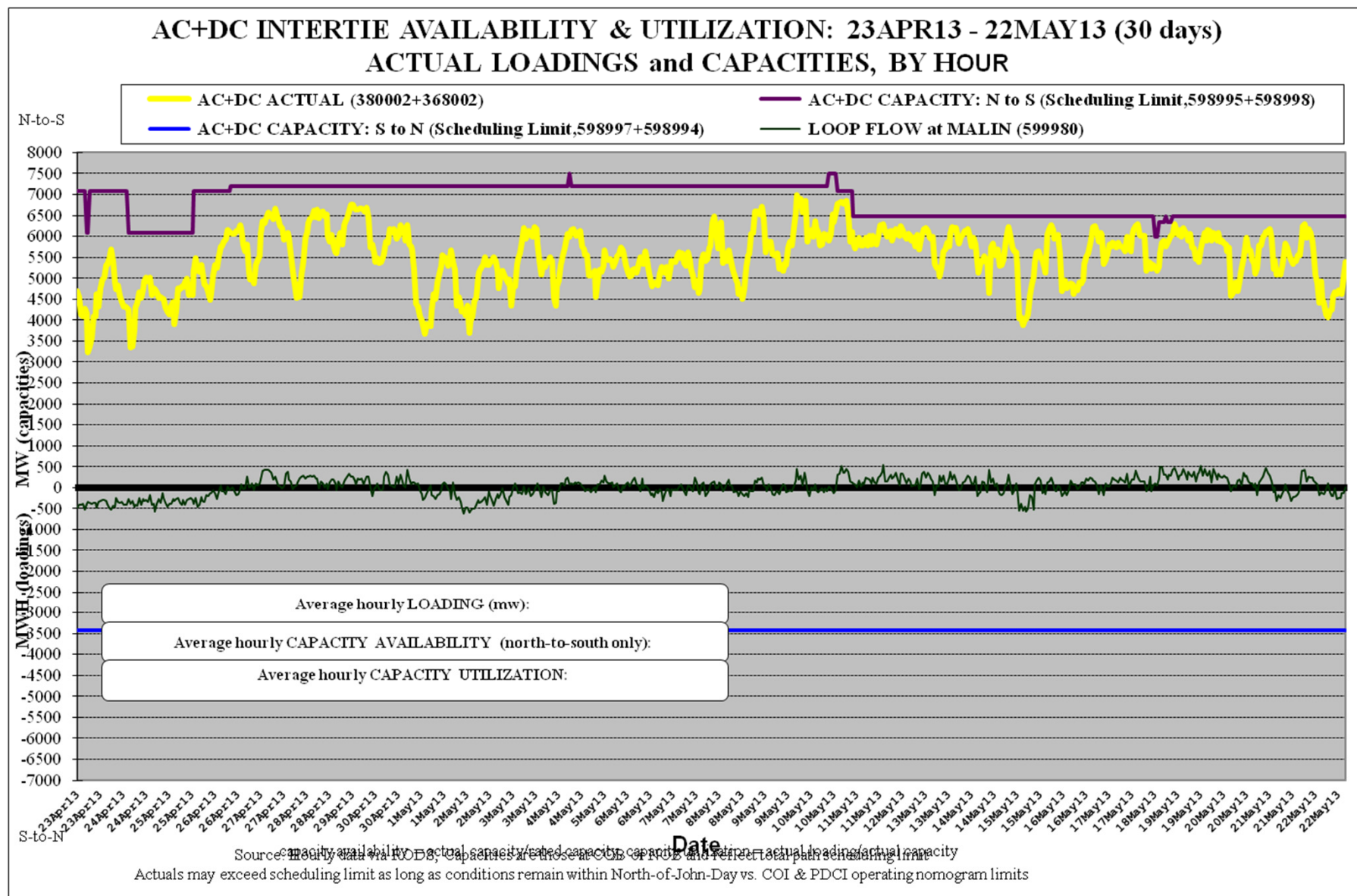
# Transmission Updates

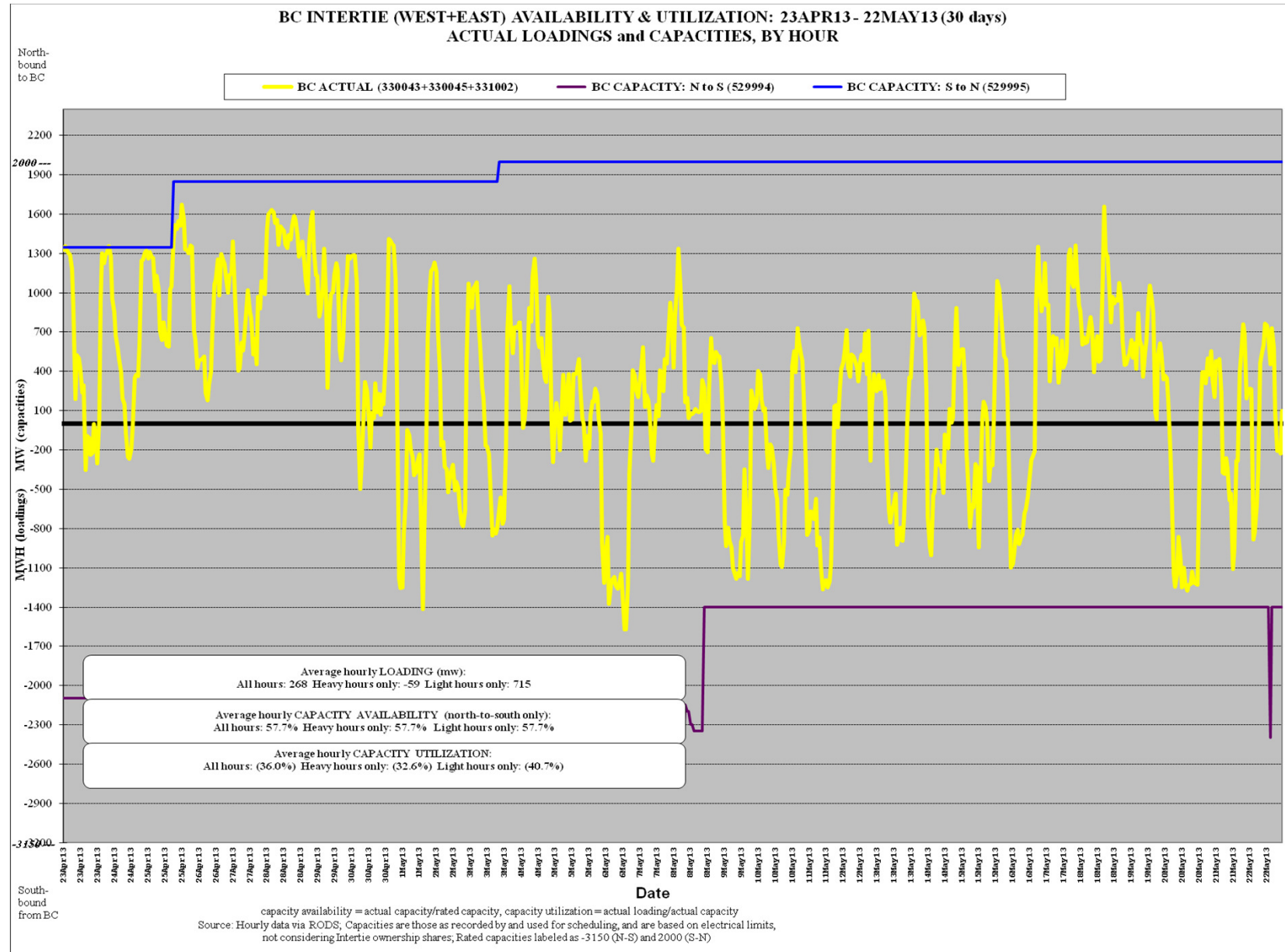
## ■ COI N>S

- 3500 MW: 5/17 HE 17 to 5/23 HE 08 due to BPA-NW Generation Resources; BPA-Ashe-Slatt 1 500kV Line; BPA-Ashe-Marion 2 500kV Line; and BPA-Grizzly-Malin 2 500kV Line
- 3200 MW: 5/23 HE 09 to HE 17 due to CISO-Cottonwood CB 352
- 4250 MW: 5/23 HE 18 to 5/24 HE 17 due to CISO-Round Mountain-Table Mountain 1 500kV Line Capacitor Bank 3 at Round Mountain
- 4500 MW: 5/24 HE 18 to 5/28 HE 07 due to BPA-NW Generation Resources
- 4250 MW: 5/28 HE 08 due to CISO-Round Mountain-Table Mountain 1 500kV Line Capacitor Bank 3 at Round Mountain
- 3800 MW: 5/28 HE 09 to HE 17 due to BPA-Captain Jack-Olinda 1 500kV series capacitor group 1; segment 1 & 2; including PCB's 4971 and 4972 at Captain Jack
- 4250 MW: 5/28 HE 07 to 6/01 HE 19 due to CISO-Round Mountain-Table Mountain 2 500kV Line Capacitor Bank 4 at Round Mountain

## ■ PDCI N>S

- 2990 MW: At rated capacity over next 7 days.





# Contact Information

- To discuss within month commercial transactions, please contact Robert Johnson at (503) 230-3183, [rcjohnson@bpa.gov](mailto:rcjohnson@bpa.gov).
- To discuss prompt month and forward transactions, please contact Alex Spain at (503) 230-5780, [ajspain@bpa.gov](mailto:ajspain@bpa.gov) or Mark Miller at (503) 230-5780, [memiller@bpa.gov](mailto:memiller@bpa.gov).
- For additional information on Oversupply, please contact:  
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Public Engagement: Maryam Asgharian - (503) 230-4413, [maasgharian@bpa.gov](mailto:maasgharian@bpa.gov)
- Oversupply website:  
<http://www.bpa.gov/corporate/AgencyTopics/ColumbiaRiverHighWaterMgmt/>